SECTION – C
(DESCRIPTIVE QUESTIONS)

Q16: (a) Solve by using logarithm: $\dfrac{\sqrt{673.8}}{\sqrt[3]{58.4}}$

(b) Simplify: $\dfrac{4^{m} \times 15^{4m-2n+1} \times 9^{n-2m}}{10^{2m} \times 25^{m-n}}$

Q-17: (a) Construct a triangle ABC in which $m\overline{AB} = 4.5cm$, $m\overline{BC} = 5cm$, $m\angle B = 60^\circ$ and draw its circumscribed.

(b) Find the value of: $\dfrac{\tan 30^\circ + \tan 45^\circ}{1 - \tan 30^\circ \tan 45^\circ}$

Q-18: (a) Solve by using matrices: $4x + y = 2$ and $7x + 2y = 3$.

(b) Prove that, congruent chords of a circle are equidistance from its centre.